Hampton Roads Crossings:

Patriots Crossing
&
I-64 Hampton Roads Bridge-Tunnel

Presented By:

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Deputy Executive Director
Hampton Roads Transportation Planning Organization

March 21, 2013
March 2013

- Engage discussion in determining a preference for improving conditions at the Hampton Roads crossings.

May 2013

- Discuss action at HRTPO Board Retreat

June 2013

- Take action to formally recommend the HRTPO Board’s preference to VDOT prior to action by the Commonwealth Transportation Board (CTB).
<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
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<tbody>
<tr>
<td>1991</td>
<td>I-64 crossing of Hampton Roads included as innovative project for Intermodal Surface Transportation Efficiency Act demo funding.</td>
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<tr>
<td>1993</td>
<td>Hampton Roads Crossing Study (HRCS) initiated.</td>
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<tr>
<td>1997</td>
<td>HRTPO selected HRCS Corridor 9 (Third Crossing) as Locally Preferred Alternative.</td>
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<tr>
<td></td>
<td>CTB resolution on Third Crossing.</td>
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<tr>
<td>2001</td>
<td>FHWA issued a Record of Decision (ROD) on the Hampton Roads Crossing Study Final Environmental Impact Statement (EIS).</td>
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<td>2008</td>
<td>Hampton Roads Bridge-Tunnel Expansion Feasibility Study completed.</td>
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<tr>
<td>2012</td>
<td>HRTPO 2034 Long-Range Transportation Plan approved; included Patriots Crossing and I-64 HRBT as studies;</td>
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<td></td>
<td>FHWA approved I-64 HRBT Draft EIS.</td>
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<td>2013</td>
<td>Patriots Crossing Final Environmental Assessment submitted to FHWA.</td>
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</table>
Purpose & Need:

• Congestion at the Hampton Roads Bridge-Tunnel
• Accessibility between Southside and Peninsula
• Population and Employment Growth
• Military Mobility
• Tourism
• Port and Shipbuilding Support
Patriots Crossing
Environmental Assessment

Project Description

FROM: I-564 Intermodal Connector
TO: I-664 & VA-164

DESCRIPTION OF WORK:

- Segment 1 - New 4-lane roadway and bridge from I-664 near southern end of Monitor Merrimac Memorial Bridge-Tunnel to planned I-564 Intermodal Connector (shown in blue), including a tunnel section at the Elizabeth River.
- Segment 3 - New 4-lane roadway and bridge from Segment 1 to VA 164.
- No Tolling

Summary of Project

According to the VDOT Environmental Assessment Reevaluation of the 2001 Hampton Roads Crossing Study Final Environmental Impact Statement (2011): Candidate Build Alternative 9 – Segments 1 and 3:

- The Hampton Roads Bridge-Tunnel will remain severely congested, with a volume/capacity ratio = 1.48 (Level-of-Service F) in 2034.
- The Monitor-Merrimac Memorial Bridge-Tunnel will be severely congested, with a volume/capacity ratio = 1.93 (Level-of-Service F) in 2034.
- Project will help meet growing needs of the Port.
- Project will improve movement of people and goods to and from the region’s military bases.
- Project will have a positive impact on the region’s economy.

Overview of Project Status

<table>
<thead>
<tr>
<th>NEPA Status</th>
<th>Final Environmental Assessment Submitted to FHWA: February 2013</th>
</tr>
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<tbody>
<tr>
<td>Funding Status</td>
<td>Study Fully Funded</td>
</tr>
<tr>
<td>Preliminary Engineering Status</td>
<td>N/A</td>
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<tr>
<td>Right of Way Status</td>
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<td>Construction Status</td>
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</table>

Estimated Total Project Cost

$3.1 to $4.2 Billion

Cost Source: Virginia Department of Transportation
Purpose & Need:

- **Inadequate capacity of existing crossings**
  - Congestion/Travel delays
  - Tunnel Operational Efficiency
  - Transit Reliability
  - Port Operations/Economic Growth
  - Reliable Access to Naval Station Norfolk

- **Roadway deficiencies**
  - Incident response
  - Hurricane Evacuation
  - Storm Surge
  - Tunnel Vertical Clearance
  - Bridge Clearance above Water
**Project Description**

**FROM:** I-64/I-664 (Hampton)  
**TO:** I-64/I-564 (Norfolk)  
**DESCRIPTION OF WORK:**  
- Widen I-64 from I-664 in Hampton to I-564 in Norfolk  
- Add new bridge-tunnel facility adjacent to current Hampton Roads Bridge-Tunnel

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**Summary of Project**

According to the VDOT *Interstate 64 Hampton Roads Bridge-Tunnel Draft Environmental Impact Study* (2012):

- Project will result in uncongested conditions (Level-of-Service C) at the Hampton Roads Bridge-Tunnel through the year 2040.
- Project improves accessibility between Peninsula and Southside for commuting, tourism, freight movement, military mobility, and hurricane evacuation.
- Project improves geometric deficiencies including inadequate shoulder width and substandard vertical tunnel clearance, both of which cause congestion and safety problems.
- Project will have a positive impact on the region’s economy.

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**Overview of Project Status**

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1. Support for multimodal component.

2. Patriots Crossing – no additional capacity between Peninsula and Southside.


4. HRBT – Aging infrastructure will require significant maintenance/rehabilitation.

5. Would action by the CTB to select a Preferred Alternative for the HRBT Study preclude ultimate selection of Patriots Crossing as preferred project?
Unresolved Issues
I-64 HRBT

• **Selection of Alternative**
  • CTB to select Preferred Alternative
  • Completion of Final Environmental Impact Statement
  • Record of Decision by FHWA, subject to funding availability

• **Completion of Environmental Assessments**

• **Identification of Funding**

• **HRTPD Board Action**
  • Before FHWA can issue the Record of Decision, the fiscally-constrained LRTP must be amended to include the Preferred Alternative

• **Other Federal actions and permits**
Schedule/Next Steps

- **Patriots Crossing**
  - Feb 2013 - Final Environmental Assessment submitted to FHWA
  - Awaiting FHWA decision *(subject to funding)*

- **I-64 HRBT**
  - Spring 2013 – CTB to select Preferred Alternative
  - Spring 2014 – Final EIS to be submitted to FHWA
  - Summer 2014 – FHWA Record of Decision *(subject to funding)*
Board Discussion